

LOCOMOTIVE CONTROL SYSTEM AND METHOD

ABSTRACT

The invention includes a system and method for managing an operation of a locomotive as a function of a location of the locomotive. The system comprises a location unit for determining the location of the locomotive and a control unit for controlling an operation of the locomotive as a function of the determined location. In another embodiment, the invention includes a system and method for receiving a security authorization input from an operator of the locomotive, comparing the received operator security authorization input to a security authorization parameter, and restricting an operation of the locomotive when the received operator security authorization input does not match the security authorization parameter. In yet another embodiment, the invention includes a system and method of sending a control command from a remote system, receiving the control command at the locomotive, and controlling an operation of the locomotive responsive to the received control command. In still another embodiment, the invention includes a system and method for controlling an operation of the locomotive as a function of the location of the locomotive, a monitored emission parameter and an emission characteristic.